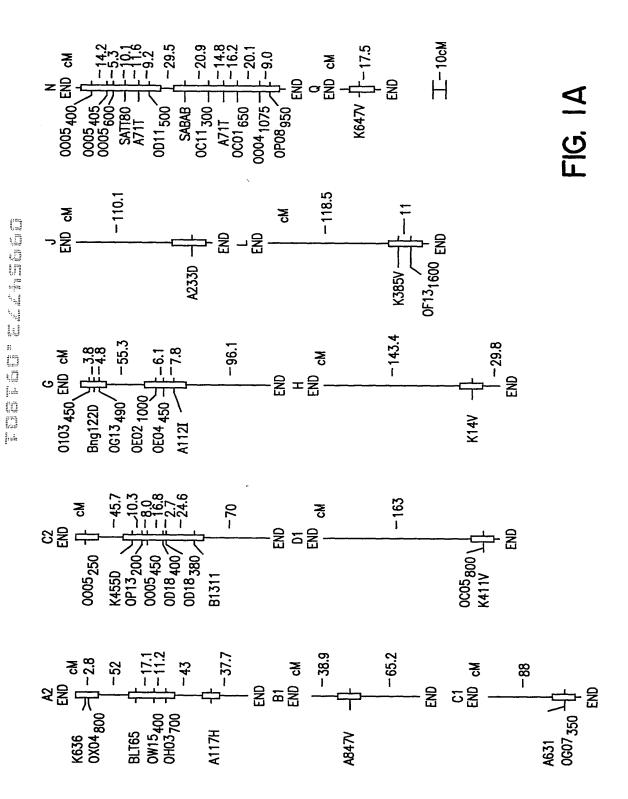
Title:

Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods of Breeding and Identifying Resistant Plants t(s): Lightfoot et al.

Applicant(s): Attorney Docket No.:

1268/2/2



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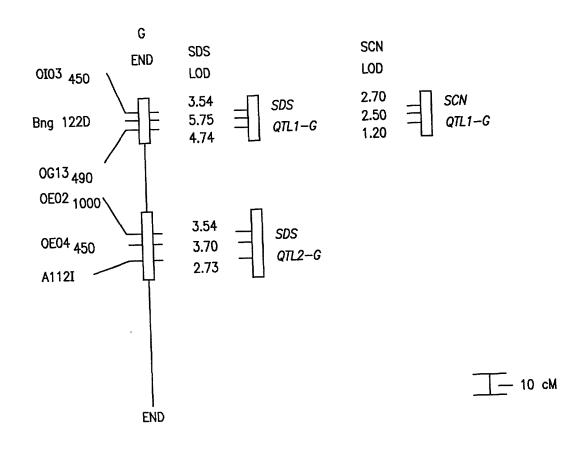
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Applicant(s):

Lightfoot et al.

Attorney Docket No.:

1268/2/2



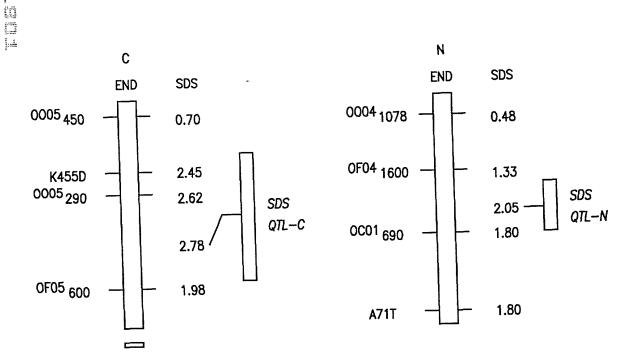
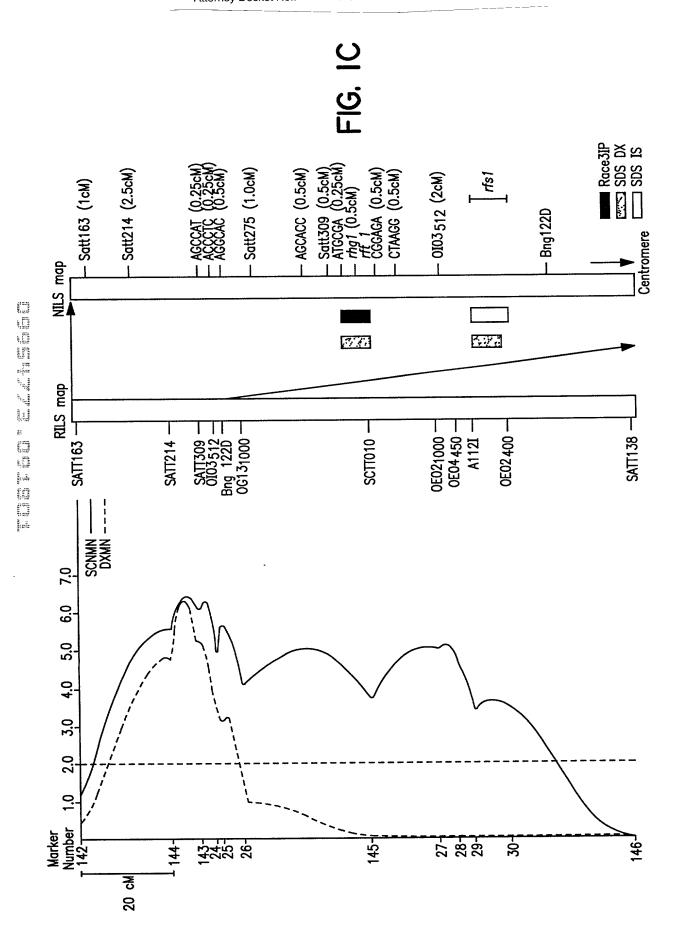


FIG. 1B

Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods of Breeding and Identifying Resistant Plants Title:

Applicant(s): Attorney Docket No.:

Lightfoot et al. 1268/2/2



Title: Soybean Sudden Death Syndrome Resistant Soybeans,
Soybean Cyst Nematode Resistant Soybeans and Methods
of Breeding and Identifying Resistant Plants
Applicant(s): Lightfoot et al.
Attorney Docket No.: 1268/2/2

List	Map	of	linkage	group	A:
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	A117H	-	5 cM
	rfs2	-	38 cM
	OH03 <sub>700</sub>		11.2 cM
5	OW15 <sub>500</sub>	_	14 cM
	Blt65	-	1 cM
	CCAAGC309	-	0.5 cM
10	CCC/ATG349	-	0.1 cM
	CCG/AAC400	-	0.4 cM
	Rhg4	-	0.4 cM
	CCG/AAC401	-	0.1 cM
	CAT/ATT250	-	0.5 cM
	CCC/ATG350	-	0.5 cM
15	CCA/AGC310	-	2.8 cM
	OX04800	-	50 cM
	K636		

FIG. ID

Title: Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods of Breeding and Identifying Resistant Plants

Applicant(s): Lightfoot et al.

Attorney Docket No.: 1268/2/2

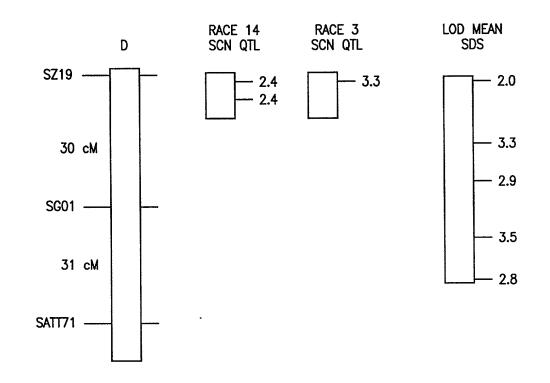


FIG. 2

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Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods of Breeding and Identifying Resistant Plants

Applicant(s): Lightfoot et al. Attorney Docket No.: 1268/2/2

Sequence of  $\text{OI03}_{450}$  Essex DNA, 527 bp (SEQ ID NO:1)

TGTTCTAGATAGTTCGCAATTCAATCAAATTTCCCAATTATAATTG AATAAAAAGATTCATGAAATCAGGTGATCAAGCGAAAAATAAGCAT TAAGCGTAGAAGAGAAGCAATAACATTTTTTTTATTAAATAATAAAA GAGTAATTACATAAAAATATGTTCGATTACATTAAACCCCCAACAAA GGATGAATTTAGCTTCTCATGACCATGGGGAAAATCAAACTTGATG AACAAGAAGATGAAGAAGAATCCTTAAGGATAAACACTGCCTAGCT CCAATGTGCTCTCTAGTATTTTATCTTTCAAAAATCCCCAAGAACC CCTAATTTTCAGTAAGAAGCCCATTTTCAATCAGAAGCCCATTTTC AATCAAGAAGCCCATTTTCAATCAGAAGCCCATTTTCAATCAGAAG CCCATTTTCAATCAGAAGCCCATTTTCAATCAGAAGCCCATTTTAT AATTGTATTCCCAAAACTTGAGATTCTTGAACGTAAATTATTAGTA AATTGTAATCACCTCTGTAAA

# FIG. 3A

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Title: Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods

of Breeding and Identifying Resistant Plants

Applicant(s): Lightfoot et al. Attorney Docket No.:

1268/2/2

Sequence of OI03<sub>450</sub> Forrest DNA, 814 bp

(SEQ ID NO:2)

ATGATTACGCCAAGCTATTTAGGTGACACTACTAGAATACTCAAGCTATGCATCCAACG CGTTGGGAGCTCTCCCATATGGTCGACCTGCAGGCGGCCGCACTAGTGATTCAGAAGCC CAAAGGTAACAGCAATAAGTAATCCCTTGTTTATAAGATCCCAGAACTTCCAGTTTATT TAATGAAAATGCAATAACATCGGCTAGTTTCACAAGTAATATACAAATCGGAACATCAC ATTGACTACAATATATAGTACATAAATTAACACTAAGAAACCTCCTTGATTTGATATTA TGCATTTACCTATGTTGTTCCACAAGAATATACTCAAATGACTTTGCCTTGATTTAAAT TATCACGATGTAACACAAACAAAGATGATANTTTGTCGATCAACTGTTCAGCACCAAGA GAGCCCTCCCCACAATCAACTCAGGTTTTCACTTTTGGTGCTTGAAAATGAGTGGCACA TGNAAAAGCAAGAGTCNTCTTTGACAAATGTGCCTGCCGANAGTTATCANTACTTACTA ACAAGATAATGAGCCAAAACATCATCTGGGNCATCAACCTTCATGNCTTTNTCAAGTTT ATACCTATNANTNACTANGTCTTATATTTNCANNTGGTGATTACANTTACNANTAAGTT TAGCTTNAAGAAATNCAAGTTTTNGGGACTCCATGCCTNGNCNGGNTTTCNNATCCGTC GGCCAGGGCGGNCNGGNNCACTGNTNGGNAGNCCCANTTNCNCAGANCACNGNCCCNTT TCCATTCCNGGNCCNTCNNCTTCAANGACNGCCGGNGAAANCNNGGGT

FIG. 3B

Title: Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods

of Breeding and Identifying Resistant Plants

1268/2/2

Applicant(s): Lightfoot et al. Attorney Docket No.:

K455-T3

(SEQ. ID NO: 3)

GCAGATGTAACTGTTCCCACAATATCTAATATTCTAGTTCTAGATGAAAATATTTTTT TCOCATAGCAAGCAAAGTATGGATTTGTCATTTTTCAGAGACGAAGAACTCTCAACA AACATGTTTATAGTAACTTCATTGCAAAACTCAACAAATAGATTTTTGGAACCTTAAT ATAATAAAATTCAACAGTCTTCTTTAATTTTATTCTGCTCTTACCTTCTCATAGGATCA TATAGAATTTAACCCTACAAGCTCTCAAAAAACAATCCATTATTATGCTCCTTATCCA ATAAAACAAAACCATAGAGTGATTCTCAAAATGAAGATTGACAAAGGCAAAAAGTTA CAATCAATAATCTTAAATTGTGTACTTACTTATTCCTCGGGGNGCANATNCTTTGGAA TGCTGGNTCAATAGCTTCTTTATAATTNTCTTCATCTTGCACCNTCCCNGCCTTAGGN GGTCTCCATTGTCAATCCAAAGGTNNTCGN

## FIG. 4

K4SS-T7

(SEQ. ID NO: 4)

GGTACCCGGGGATCCTCTAGAGTCGACCTGCAGGGAGGCGAATGTNATGTTGANCTT TGCTCGCTCATATGGCCTTACAGGGTTTGCCGAATTAGTGTGAAGGTAATTCGGTAA ATGGATAATATTGTATTCATTTNATATTTNATGATGTTACAAGTNCAAGGNATAANCT GATGCCTGAGT

### FIG. 5

A117-T3

(SEQ. ID NO: 5)

CAGGTAGACAAATCTGATGGTACTGAAGTTGGTCATACAATTAAAAAGTTCCCTCTTT TTTTACTGTTTTATGAAGGTAATACACCAATTATTATGGTTTTTTGTTTAATAAAATGT GAATAATTGTCAATCGTGATTGCATTATCTCTCCTTTACTCTGTCTCTTCACCTTTTTT ACCCTTTTATTTGAGAGGAAGAATCCATGTAGTAAAAAATGATGATAAAATTGTTAG AAAATATAGTGTCATGTAATTAGAGATTCAGATTATAACTTAGAAGACACTATTATTT TCATGTAATACTATCCACGGGTAATTAATCAATACTGACATATTTTCACTCAAAATATT CTGGTTTTCTCATTATATACATTTAAATAGGAGCTATTANCCATTGCAAGCTTGGGTT TGGAGGCCTTCCGATGCCTTGTTGGGATTGNGACCA

### FIG. 6

A847-T3

(SEQ. ID NO: 6)

NAGNCAGGGAACCCACACATACAGACAATTAAAACCGTTGGATGAAAATCATACTAC TCATAAATTGAAAATATATACGTAAGANCTTCATCTAACAGTGCTAGTCGAAGAATG AGCGGCAAACGTTAATTATTAATTTTTTTTTAGTACAAGGGATCAAACCANGACCTTTC CCTTCTTTCCATCTTTCTTGACCACCCAACCAACCTTATATCTCCACAAAACTTATTAT ATGTTGTTCTTCGGGGACTATCAGAATTGGAGTTTAACCTCGGGCANTCAATCTACAT AATCCTTGATTTNATTTNGTGAAGTTCTAAAGCCACAGGCATTATTTATNTTATTNTT TCTGNAGTAACCCNCCATATGTTGGTNNATAAGGGTANGNATNAAAATNCNTTGGNT GGTNNCNATTTGCNCTTNCNAGGCCGGGGATGGNTTTT

### FIG. 7

A847-T7

(SEQ. ID NO: 7)

NNACAANANANCAGGGGATCCTCTAGAGTCGACCTGCAGTGATACTAGAACTNAAT GAACAGGGAGAGAGAGAGAGAGANANTNAANATAACGATGAAGCTCTCCCTATT GACGGTGTTCATTGTAGCAATAGCATCGTTATCTCTTATTATTGCTGGTTCATCATNA TCTCAATTCCAGTGGCA

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Soybean Sudden Death Syndrome Resistant Soybeans, Title: Soybean Cyst Nematode Resistant Soybeans and Methods

of Breeding and Identifying Resistant Plants

Applicant(s): Attorney Docket No.:

Lightfoot et al. 1268/2/2

(SEQ ID NO:8)

ACTAATTTATCATATTTTTTGTATATTCAGGAATTAAATTTAATTTTTCATCCTTCAAT CCTAAAATATATTTTTTGTCCTCATAAATATGAAAATATTTAAAATTCGTTCCTAATTT TTTTTCAAAGCATCTTTCCTT<u>CTCACAAAATTGAAATGTATCA</u>TTTTTTTTTTGTTCAA AAGTTTAAATAAATTTGAACCTAATATGACATTTTATATCGGTTATACATATAACTGAT ATAAACATCAAGTTTTTTATATCAATGATACCTATAACTGATATCAAATGTGACA**ATTA**  ${ t TATTTTAAT} { t TATTTTGAAGATGAAAAAGG} { t ATAAATTTAAAACATTTGTGTGANGATGAA$ TACCTTTTTTTTTATAATTACNCCACCAAAAAACCGTTTGGTGTTACAAATTTGANTTAA ATTCTNTTGTTTATTAAAAAGANANATTAATTNGGAANGGTCTTTTTNAAAACNCTNCN GTCNANTAACNAATCT

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Title: Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods of Breeding and Identifying Resistant Plants

Lightfoot et al. Applicant(s): Attorney Docket No.: 1268/2/2

(SEQ ID NO:9)

ACGCCAGTGANTGTAATACGACTCCTATAGGGCCGAATTGGCCAAGTCGGCCGAGCTCGA ATTCGTCGACCTCGAGGGATCACGCTAATGATATATTATTAATCAACTGCTTCAATAGA GTGCACACCCCTATCTTTCATAAAATTACTACACTTTTTAATTTTTGTAATAAAAAAC TTCTATAGTGTCACCTAAATAGCTTGGCGTAATCATGGTCATAGCTGTTTCCTGTGTGA AATTGTTATCCGCTCACAATTCCACACAACATACGAGCCGGAAGCATAAAGTGTNAAGC CTGGGGTNCCTAATGAGTGAGCTAACTCACATTAATTGCCTTGCGCTCACTGCCCGCTT TCCAGTCNGGAAACCTGTCCTGCCAGCTGCATTAATGAATCNGCCAACCCNCGGGGANA AGCNGTTTGCNTATGGGCGCTCTTNCCGCTTCCTCGCTCANTGACTCGCTGCGCTCNGT CNTTCNGNTGCCGCGAACGGTATCANCNCACTCNAANGNNGTAAATACGGTTATCCACC NAACCNNGGGGANAACCCNGGAAAAAACATGTNANCCAAAAGGCCNCCAAAAGGCCANG AAACNTTNAAAAGGCCCNNTTGCTTGNCTTTNTN

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Soybean Sudden Death Syndrome Resistant Soybeans, Title: Soybean Cyst Nematode Resistant Soybeans and Methods

of Breeding and Identifying Resistant Plants

Lightfoot et al. Applicant(s): Attorney Docket No.: 1268/2/2

(SEO ID NO:10)

NNNNNTTGTAAACGACGCAGTGAATGTATACGACCACTATAGGGCAATGGCCAAGTCG GCCGAGCTCGAATTCGTCGACCTCGAGGGATCTTTTTATGTTGGTAGCTACTGTAATAT CATCTTGTACTTTTAACTTTTAAGTCATACTCCCTT1GGACTCATATATAAGCAAAAGA ACTTTCATTCCTAAAACACCCTTCATTTAATTCTAATTCTATTTCCAATAACTCTTTTT TATTCATGATAACAAGTTCCAATGAAGGACATTTTAGAAATAACCTTATTTTTATTTG TTTTCTTATATACGAGTCCAAAGGGAGTACCAAATTTCACAAATGTACTAAAATGTATT ATATGCTTCTTTTTAATTCATCTTTGCTGCATANCTACTTAGCTACTGTGCTCTGATCC GGGCCCTCTAGATGCGGCCGCATGCATAAGCTTGAGTATCTATAGTGTCCCTAAATAGC TTGGCGTATCATGGTCATAGCTGTTTCCNGTGTGAAATTGTTATCCGCTCACAATTCCA CACAACATACGANCCGGAAGCATAAAAGTGTTAAGCCNGGGGTGCCTAATGAGTGAGCT AACTCACATTAATTGCGTTGCGCTCACTGCCCGCTTCCNATTCGGGAAACTGTCCTGNC ANCTGCATTAATGAATCNGGCCAACCCNCNGGGAAAAGGCGG

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Title: Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods of Breeding and Identifying Resistant Plants

Lightfoot et al. Applicant(s):

Attorney Docket No.: 1268/2/2

#### (SEO ID NO:11)

ACNGCCAGTGAATTGTAATACGACTCCTATAGGGCGAATTGGCCAAGTCGGCCGAGCTC GCAGAGGGGCTGATTTTGGAGAAAACATCATCCATGGTATAAAGTCCGTTTAGATTCCA TTACAAACAAACATGCACCGAACCATTAAAGTTTGACTTAATATCCGGGGTATAATGAC TTTACTGCACAAACTAAACAAAAGTTTGTGGATTTAGACATAAAAAATACCAATGCTGT GTGAAAATAAGAAATGGTGGTCATATAGACAAGTTTCTTTTCTGTTTTCTTTAAATTGC AGTCNAAGCCATCANGAGGTTCATGTAATTAACCAAACTAGACGTTGACTTTTGGTTTT ATCCTTTTGTAGAATAGCAAGCAAGTCATTATAAATCTGGCCATTGGGACAGCTTAGTT TAACTCCCGCCGCAAATTTGTTAAAATATTNAATAATATATCACCTAAAATCATATTT GTCANTTCATTTTGTTTTANGTTATATCAATTATTATTTTTTTACCTTACNTCCTTTATA ATNTCAATGATGGGACCCAAAAAATTATCAAATACNTTNAAGCNTTATTTATTAAT TAANCCTTTAATTATAATTAAAAATTCNATTTAATTTTTTAAN

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Title: Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods of Breeding and Identifying Resistant Plants

Applicant(s): Lightfoot et al.
Attorney Docket No.: 1268/2/2

(SEQ ID NO:12)

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Title: Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods of Breeding and Identifying Resistant Plants

Applicant(s): Lightfoot et al.
Attorney Docket No.: 1268/2/2

(SEQ ID NO:13)

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Title: Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods of Breeding and Identifying Resistant Plants

Applicant(s): Lig Attorney Docket No.:

Lightfoot et al. lo.: 1268/2/2

(SEQ ID NO:14)

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Title: Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods of Breeding and Identifying Resistant Plants

Applicant(s): Lightfoot et al.
Attorney Docket No.: 1268/2/2

(SEQ ID NO:15)

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Soybean Sudden Death Syndrome Resistant Soybeans, Title: Soybean Cyst Nematode Resistant Soybeans and Methods

of Breeding and Identifying Resistant Plants

Applicant(s): Lightfoot et al. 1268/2/2 Attorney Docket No.:

(SEO ID NO:16)

GCATCTAGAGGGCCCGGATCGCCCTTCCCAACAGTTGCGCAGCCTGAATGGCGAATGGA CGCGCCCTGTAGCGGCGCATTAAGCGCGGGGGGGTGTGGTGGTTACGCGCAGCGTGACCG CTACACTTGCCAGCGCCCTAGCGCCCGCTCCTTTCGCTTTCTTCCCTTTCTTCGCC ACGTTCGCCGGCTTTCCCCGTCAAGCTCTAAATCGGGGGCTCCCTTTAGGGTTCCGATT TAGTGCTTTACGGCACCTCGACCCCAAAAAACTTGATTAGGGTGATGGTTCACGTANTG GGCCATCGCCCTGATAGACNGTTTTTCGCCCTTTGACNTTGGAGTCCACGTTCTTTAAT AGTGGACTCTTGTTCCAAACTGGAACAACACTCAACCCTATCTCGGTCTATTCTTTTGA TTTATAAGGGATTTTGCCGATTTCGGCCTATTGGTTAAAAAATGAGCTGATTTAACAAA AATTTNACGCGAATTTTAACAAAAATATTAACGCTTACNATTTCCTGATNCGGTATTTT CTCCTTACNCATCTGTNCCGTATTTCCACCGCATATGGTGCACTCTCAATACAATCTGC TCTGATCCNCATAATTTAANCCANCCCCGAAACCCCCCAACACCCCCTTAAAACNCCCT TAACGGGCTTGTNTGCTCCCGGCATCCGCTTAACAAANAAACTTTTAAACGTNTCCCGG AACNGCATNTTTTNAAAGTTTTCACCCNCCTCCC

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Title: Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods of Breeding and Identifying Resistant Plants

Applicant(s): Lightfoot et al.
Attorney Docket No.: 1268/2/2

(SEO ID NO:17)

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Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods

of Breeding and Identifying Resistant Plants

Lightfoot et al. Applicant(s): Attorney Docket No.: \_ \_ 1268/2/2

(SEQ ID NO:18)

CCGCATCTAGAGGGCCCGGATCCACCCCGTCTTCCACTGTTCGTTACTACGCGAGCATC NCGGCCCTCCACCACCCCGACAAGATACTTGGCCATTGGAATTCATAACCCATCAGCCT GTCCCACGTCCCTTGTGTATTCTGGACTCTAAACTCGACCTCTCATCATCTCCGCCAAA CAAACTCGTCCTCGTACAGTGGACGGGCCAACCCCCTGAGGATACTACCTGGGAGCCNT GGTCAGAAATNCCTNACCTTTACCACCTCNAGGACAAGTGGTCCTCNCGGGCGACNGTA TTGATNACNGTTACCCGGAAGATACCCAGATTGAGCCCCCACTTACTAAGACNAAGCCC AACGTTNCCCCTCNAGACCTGCTTCTTGAATGACTACNANACTGACTCNANGAAGAAGC TCCAACCATTNGTTNCCNAAGTTATTAGGGTNGTTACCCAATTAGTTTAGAACGTTNTT CCGTTGAAAAGGCTCATGTTACCCCCCTCNCNNTTTTTTAATNCTTGAATANATNATTA AGAAGGCCTGCCNNAGGTTACNTTACTCCCTCCCCNCTCTCTANATTTCCTNTANGAAG CTGCCTTCCCCCNAAATTAGGGGCCATTCTCTTCCTTTCCCGTCTTTCACTCCCCTCT GCTCTTATCNNGAATTCNCCTTGATNAACCCCCCGGTTTTNGGATANAATTGAATTNAC CCCCCTTCTTGAAAANAGAAGTTTTTTCN

15

Title: Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods

of Breeding and Identifying Resistant Plants

Applicant(s): Lig Attorney Docket No.:

Lightfoot et al. o.: 1268/2/2

(SEQ ID NO:19)

ACGGCAGTGANTGTAATNCGACTCACTATAGGGCGAATTGGCCAAGTCGGCCGAGCTCG

AATTCGTCGACCTCGAGGGATCGCCGAAGTATCGACTCAACTATCAGAGGTAGTTGGCG

TCATCGAGCGCCATCTCGAACCGACGTTGCTGGCCGTACATTTGTACNGCTCCGCNGTG

GATGGCGGCCTGAAGCCACACNGTGATATTGATTTGCTGGTTACNGTGACCGTAAGGCT

TGATGAAACNACGCGGCGAGCTTTGATCCACNATGCCCATNACCNAGAGTAGACCAGAA

TCTAACACNAATCNCATTGTCNGATATAACNAAATGCTTTTTAACACGAGTGCTTCCCC

TNACANTGTTAGATTTGAGCCCANCTCCCTTCTCAATGATACATNCAGGATGAACNNTT

TGACATNNCTCCACCNATTTGGNAGTCTCATGCACCACCACATTCCCNCAGTATGTTTG

AAGGTCNTTGGCCNGTTCCCTTANANAAATATTCCTCCGCCNNTTCAGGTTGANTCTCA

TTCCNNAAAATATATCCCCTTGTCCATTTCCATCTNCAATTCNTNCTGTTNGAAAGAAC

NTTTGCTTCCAGCNTTCTTCCCAAANCNATTTTTNGGAAACCCTCTGTTTTCNAAGAAA

TTGGGTTCANCTCCAATTCTNTCCATTCCNAAGGGGTTCCTCCACTTTAACCCCGNATN

ANCAACCAAGGGGAATTGAAAAAACGGGAAAGGGAAAAAAATNGGGCCTACTTNCAAGG

GAANGGCCGCCCCCTCAAGNAAATTTNCAAAGAAGNANANAA

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Title: Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods of Breeding and Identifying Resistant Plants

Applicant(s): Lightfoot et al.
Attorney Docket No.: 1268/2/2

(SEQ ID NO:20)

Title: Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods of Breeding and Identifying Resistant Plants

Applicant(s): Lightfoot et al.

Attorney Docket No.: 1268/2/2

#### TABLE OF THE GENETIC CODE

	Amino Acids			Codons					<del></del>
	Alanine	Ala	A	GCA	GCC	GCG	GCU		
ente part part part le met may may may part part part de la	Cysteine	Cys	С	UGC	UGU				
	Aspartic acid	Asp	D	GAC	GAU				
	Glutamic acid	Glu	E	GAA	GAG				
	Phenylalanine	Phe	F	UUC	טטט				
	Glycine	Gly	G	GGA	GGC	GGG	GGU		
	Histidine	His	H	CAC	CAU				
	Isoleucine	Ile	I	AUA	AUC	AUU			
	Lysine	Lys	K	AAA	AAG				
	Leucine	Leu	L	AUU	UUG	CUA	CUC	CUG	CUU
	Methionine	Met	М	AUG					
1.3	Asparagine	Asn	N	AAC	AAU				
	Proline	Pro	P	CCA	CCC	CCG	CCU		
	Glutamine	Gln	Q -	CAA	CAG				
	Arginine	Arg	R	AGA	AGG	CGA	CGC	CGG	CGU
	Serine	Ser	S	AGC	AGU	UCA	UCC	UCG	UCU
	Threonine	Thr	Т	ACA	ACC	ACG	ACU		
	Valine	Val	V	GUA	GUC	GUG	GUU		
	Tryptophan	Trp	W	UGG					
	Tyrosine	Tyr	· Y	UAC	UAU				

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Soybean Sudden Death Syndrome Resistant Soybeans, Soybean Cyst Nematode Resistant Soybeans and Methods

of Breeding and Identifying Resistant Plants

Applicant(s): Lightfoot et al. Attorney Docket No.:

1268/2/2

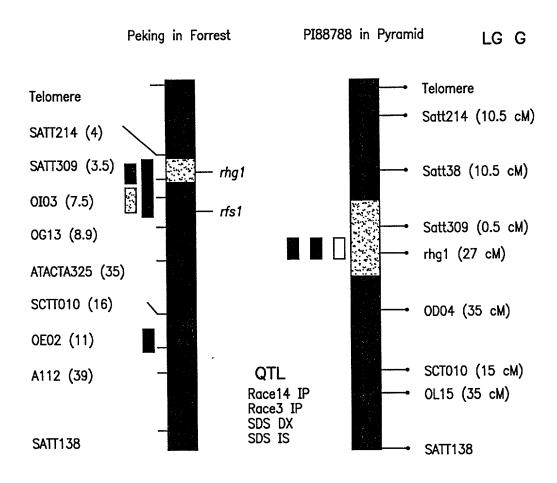


FIG. 23